



FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0942.4600003/RWE/FRC	APPLICATION NO. 10/617,377
	APPLICANT Biddle et al.	
	FILING DATE July 11, 2003	GROUP 1636 1655

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
mcf ↓	AA1	3,771,237	11/13/1973	Hansen et al.	—	—	04/04/1972
	AB1	4,511,592	04/16/1985	Percel et al.	—	—	06/20/1984
	AC1	4,689,297	08/25/1987	Good et al.	—	—	03/05/1985
	AD1	4,885,848	12/12/1989	Christensen, M.A.	—	—	07/13/1988
	AE1	5,006,204	04/09/1991	Jensen, J.P.	—	—	10/31/1988
	AF1	5,133,137	07/28/1992	Petersen, B.M.	—	—	02/05/1991
	AG1	5,325,606	07/05/1994	Liborius, E.	—	—	12/23/1992
	AH1	5,357,688	10/25/1994	Christensen, M.A.	—	—	05/04/1993
	AI1	5,392,531	02/28/1995	Christensen et al.	—	—	02/28/1994
	AJ1	5,474,931	12/12/1995	DiSorbo et al.	—	—	09/21/1993
	AK1	4,071,412	01/31/1978	Eisenberg et al.	—	—	05/05/1975

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
mcf ↓	AL1	SU 1097253	06/15/1984	Soviet Union	—	—	Yes No
	AM1	EP 0 356 071 A2	02/28/1990	Europe	—	—	Yes No
	AN1	DK 167090 B1	08/30/1993	Denmark	—	—	Yes No
	AO1	WO 95/13867	05/26/1995	WIPO	—	—	Yes No
	AP1	WO 98/15297	04/16/1998	WIPO	—	—	Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

mcf ↓	AR	1	Camire, J.C.F., et al., "Efficient Cultivation of Cells Using Powdered Serum," In Vitro 34:Abstract No. V-1008, Tissue Culture Association (March 1998).
	AS	1	Davis, B., et al., "Sterilization and Disinfection," in Microbiology, Ch. 67, Harper and Row Publishers, Inc., Hagerstown, MD, pp. 1264-1274 (1973).
	AT	1	Downes, T.E.H., et al., "The relative nutritive value of irradiated spray-dried blood powder and heat-sterilized blood meal as measured in combination with whey protein," Suid Afrikaanse Tydskrif Vir Veekunde (S. Afr. J. Anim. Sci.) 17:55-58, Bureau Of Scientific Publications Of The Foundation For Education (1987).

EXAMINER	DATE CONSIDERED 10/16/2000
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INFORMATION DISCLOSURE STATEMENT

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
mc	AA2	4,490,403	12/25/1984	Pisecky et al.	—	—	06/13/1983
	AB2	4,544,637	10/01/1985	Keggins et al.	—	—	09/14/1982
	AC2	4,615,978	10/07/1986	Sandine et al.	—	—	12/18/1984
	AD2	4,620,908	11/04/1986	Van Duzer, J.P.	—	—	06/18/1984
	AE2	4,621,058	11/04/1986	Reddy, M.S.	—	—	04/09/1984
	AF2	4,975,246	12/04/1990	Charm, S.	—	—	01/23/1989
	AG2	4,999,301	03/12/1991	Bryan-Jones, D.G.	—	—	09/27/1988
	AH2	5,366,696	11/22/1994	Williams, M.R.	—	—	01/07/1993
	AI2	5,518,709	05/21/1996	Sutton et al.	—	—	03/15/1993
	AJ2	5,580,856	12/03/1996	Prestreleski et al.	—	—	07/15/1994
Y	AK2	5,811,406	09/22/1998	Szoka, Jr. et al.	—	—	06/09/1995

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

mc	AR	2	Frazier, W.C., et al., "General Principles of Food Preservation: Asepsis, Removal, Anaerobic Conditions," in Food Microbiology, 3 rd ed., McGraw-Hill Book Company, New York, NY, pp.93-99, 122-123, 126-127, 143-153, 161, 434-436, 444-445 (1978).
	AS	2	Freshney, R.I., "The Culture Environment: II. Media and Supplements," in Culture of Animal Cells: A Manual of Basic Technique, Alan R. Liss, Inc., New York, NY, pp. 74-78 (1983)
Y	AT	2	GEA Process Technology Division, Aeromatic-Fielder Division, Columbia, MD, technical brochure entitled "Batch fluid beds: Customized fluid bed systems for solids processing," 8 pages, Bochum, Germany (Date Unknown)

EXAMINER

Richard C. Hood

DATE CONSIDERED

10/16/2006

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1636 1655**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
mc7	AA3	5,869,321	02/09/1999	Franklin	—	—	08/20/1997
	AB						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

mc7	AR	3	GEA Pharmaceutical Processing, Columbia, MD, Marketing brochure entitled "Plant and Process Technology by the GEA Companies," 12 pages (Date unknown)
mc7	AS	3	"Granulated Media," in Microbiology Catalog, EM Science, 2 pages, Cincinnati, Ohio (1999)
mc7	AT	3	Hampel, C., et al., "Sterilization (Industrial)," in The Encyclopedia of Chemistry, Litton Educational Publishing, Inc., New York, NY, pp. 1052-1053 (1973).

EXAMINER

Michelle C. Flood

DATE CONSIDERED

10/16/2000

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U.S. PATENT DOCUMENTS							
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	AA						
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
mo7	AR	4	Harlow, E., and Lane, D., "Sampling Serum," In: <i>Antibodies: A Laboratory Manual</i> , Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, p.116 (1988).
mo7	AS	4	NIRO, Inc., Technical Bulletin No. 95001 entitled "Fluid Bed Multi-Processor," Aeromatic-Fielder Division, 2 pages, Columbia, MD (1995).
mo7	AT	4	Marketing brochure for EZMix Fermentation Media, Sigma, St. Louis, MO, 2 pages (publication date before October 1996).

EXAMINER <i>Michelle C. Flood</i>	DATE CONSIDERED <i>10/14/2004</i>
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	AA						
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
mc7	AR	5	Reinert, J., et al., "Sterilization," "Culture Media," "Composition of Culture Media," in Plant Cell and Tissue Culture. A Laboratory Manual, Springer-Verlag, Berlin Heidelberg, Germany, pp. 74, 76-77 (1982).
mc7	AS	5	Rohde, B.A., et al., BBL Manual of Products and laboratory Procedures, BBL-Becton Dickinson & Co., Mississauga, Canada, pp. 97, 101, 111, 123 (1973).
mc7	AT	5	Robey, T.E., and Ryan, J.M., "A Comparison of the Effects of Powdered and Liquid Fetal Bovine Serum on Normal Human Cell Growth, Metabolism and Urokinase Formation," In Vitro 34:Abstract No. V-1007, Tissue Culture Association (March 1998).

EXAMINER <i>Michelle C. Furd</i>	DATE CONSIDERED 10/16/2004
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	FILING DATE July 11, 2003	GROUP 1636 1655

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
mc7	AR	6	Dialog File 351, Derwent WPI, Accession No. 76-44200X/197624, English language abstract for Denmark Patent Publication No. DK 167090 B1, Derwent Info Ltd. (1976)
mc7	AS	6	Product and Corporate Information, American Protein Corporation, Ames, IA, < http://www.AmericanProtein.com/index.html > 44 pages (July 1999).
mc7	AT	6	WIPDS Database on STN, Accession No. 85-005539, English language abstract for Soviet Union Patent Publication No. SU 1097253, Derwent Info Ltd. (1984)

EXAMINER Nichole C. Flood	DATE CONSIDERED 10/16/2006
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	



FORM PTO-1449

FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
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10/617,377APPLICANT
Biddle et al.FILING DATE
July 11, 2003GROUP
1636

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
mc	AB3	4,632,980	12/30/1986	Zee et al.	—	—	04/03/1985
mc	AC3	5,700,426	12/23/1997	Schmittthaeusler et al.	—	—	11/30/1994
	AD						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
mc	AL2	WO 97/38734	10/23/1997	WIPO			Yes No
mc	AM2	WO 97/42980	11/20/1997	WIPO			Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER

Michelle C. Flood

DATE CONSIDERED

10/10/2006

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
mcf ↓	AD3	2,835,586	05/20/1958	Peebles, D.D.	—	—	07/27/1953
	AE3	4,053,642	10/11/1977	Hup et al.	—	—	06/12/1975
	AF3	4,072,570	02/07/1978	Williams, W.	—	—	02/20/1976
	AG3	4,073,951	02/14/1978	Sargeant, R.G.	—	—	08/25/1976
	AH3	4,820,627	04/11/1989	McGeehan, J.K.	—	—	03/24/1986
	AI3	5,155,039	10/13/1992	Chrisope et al.	—	—	07/22/1991
	AJ3	5,756,046	05/26/1998	Winks et al.	—	—	06/15/1994
	AK3	5,773,279	06/30/1998	Miller et al.	—	—	11/27/1996

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
mcf ↓	AN2	GB 1 355 192	06/05/1974	Great Britain	—	—	Yes No
	AO2	CS 169,007	06/29/1976	Czechoslovakia	—	—	x Yes No
	AP2	JP 51-98354	08/30/1976	Japan	—	—	x Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
mcf ↓	AR	2	Brock, T.D., et al., "Acidity and pH," in <i>Biology of Microorganisms</i> , 4 th edition, Brock, T.D., et al., eds., Prentice-Hall, Englewood Cliffs, NJ, p. 257-260 (1984).
	AS	2	Hana, L., et al., "Preservation of sera, protein fractions, and Tissue cultures media by spray drying," (English language abstract for CS 169,007 (Document No. AO2)), <i>Chem. Abstracts</i> 88: Abstract No. 118718 (1978).
	AT	2	Hay, R., et al., "American Type Culture Collection Catalogue of Cell Lines and Hybridomas," 6 th Ed., ATCC, Rockville, MD, p. 347 (1988).

EXAMINER <i>Michelle O'Flaherty</i>	DATE CONSIDERED <i>10/10/2006</i>
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
mct	AL3	EP 0 049 632 A2	04/14/1982	Europe	—	—	Yes No
	AM3	JP 57-152882	09/21/1982	Japan	—	—	Yes No
	AN3	EP 0 155 427 A1	09/25/1985	Europe	—	—	Yes No
	AO3	JP 1-157395	06/20/1989	Japan	—	—	Yes No
	AP3	JP 4-198137	07/17/1992	Japan	—	—	Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
mct	AR	8	Jensen, J.D., "(Some recent advances in) Agglomerating, Instantizing, and Spray Drying," Food Technol. 29:60-71, Institute of Food Technologists (1975).
	AS	8	Life Technologies, Inc., "GIBCO-BRL 1995-1996 Product Catalogue and Reference Guide," Thomson Print Services Ltd., Glasgow, Scotland, pp. 1-18, 1-24, and 1-7 (1995).
	AT	8	Life Technologies, Inc., "GIBCO-BRL 1996-1997 Catalogue for Cell Culture," Thomson Print Services Ltd., Glasgow, Scotland, p. 16 and p. 56 (1996).

EXAMINER Michelle C. Flood	DATE CONSIDERED 10/16/2006
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FORM PTO-1449 <u>SECOND SUPPLEMENTAL</u> <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0942.4600003/RWE/FRC	APPLICATION NO. 10/617,377
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
mct	AL4	WO 94/27645	12/08/1994	WIPO	—	—	Yes No
I	AM4	WO 95/00031	01/05/1995	WIPO	—	—	Yes No
I	AN4	WO 96/23868	08/08/1996	WIPO	—	—	Yes No
I	AO4	WO 97/11157	03/27/1997	WIPO	—	—	Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
mct	AR	2	Life Technologies, Inc., "GIBCO-BRL 1996-1997 Catalogue for Cell Culture," Thomson Print Services Ltd., Glasgow, Scotland, pp. 79-84 (1996).
I	AS	2	Pending Non-Provisional United States Patent Application No. 09/606,314, Fike et al., filed June 29, 2000 (NOT PUBLISHED).
I	AT	2	Pending Non-Provisional United States Patent Application No. 09/705,940, Fike et al., filed November 6, 2000 (NOT PUBLISHED).

EXAMINER <i>Nichole C. Flood</i>	DATE CONSIDERED <i>10/16/2006</i>
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
mc2	AR	10	Derwent World Patent Index, Accession No. 1976-78201X, English language abstract for JP 51-98354 (Document AP2).
↓	AS	10	Derwent World Patent Index, Accession No. 1982-91800E, English language abstract for JP 57-152882 (Document AM3).
↓	AT	10	Dialog File 351, Accession No. 4411606, Derwent WPI English language abstract for EP 0 155 427 A1 (Document AN3).

EXAMINER <i>Michelle C. Ford</i>	DATE CONSIDERED 10/16/2006
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FOREIGN PATENT DOCUMENTS							
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
mt	AR	11	Derwent World Patent Index, Accession No. 1989-218070, English language abstract for JP 1-157395 (Document A03).
I	AS	11	JPO English language abstract for JP 4-198137 (Document AP3).
↓	AT	11	Supplementary European Search Report for European Application No. EP 98 90 8542, completed September 9, 2002.

EXAMINER <i>Christopher C. Hool</i>	DATE CONSIDERED 10/16/2004
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